

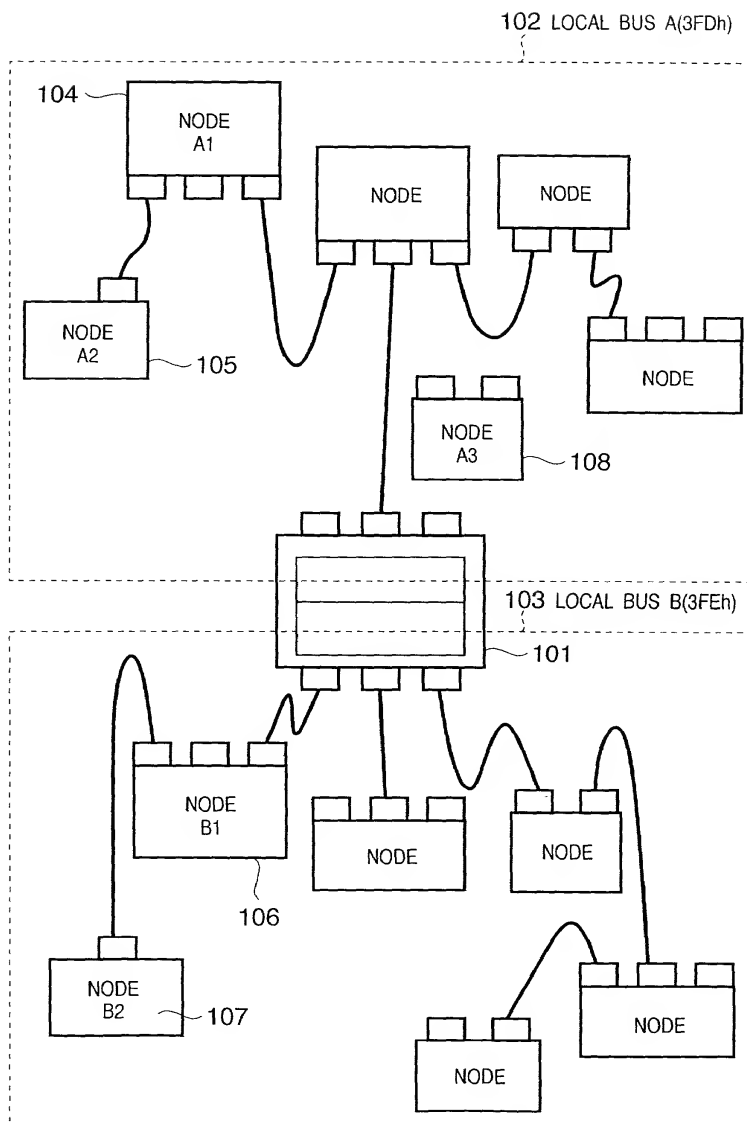
FIG. 1

FIG. 2

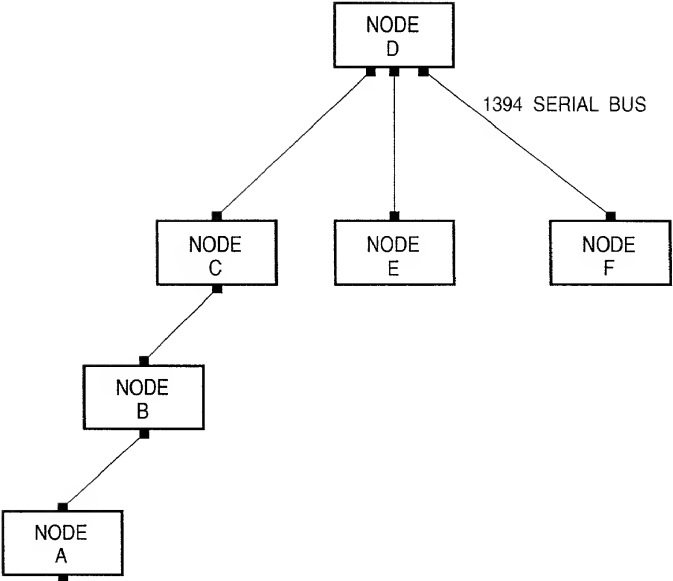


FIG. 3

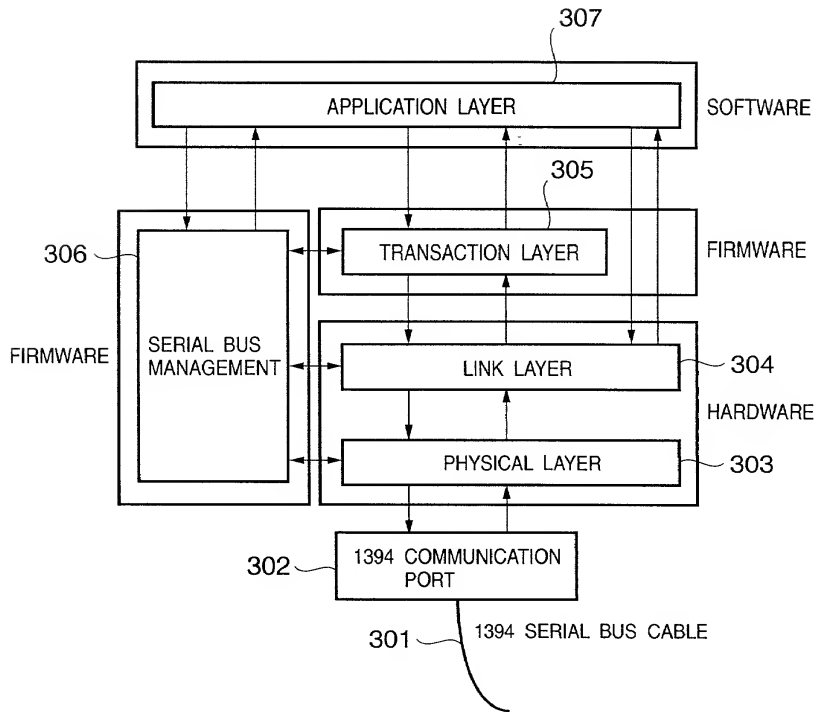


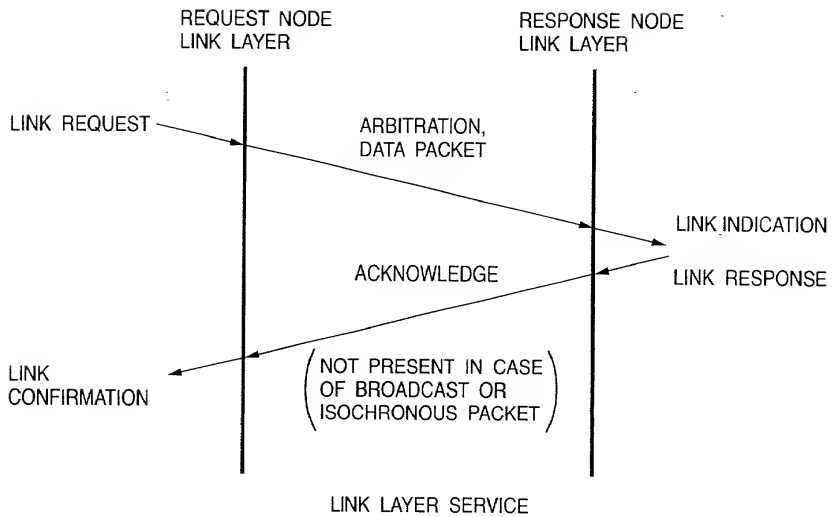
FIG. 4

FIG. 5

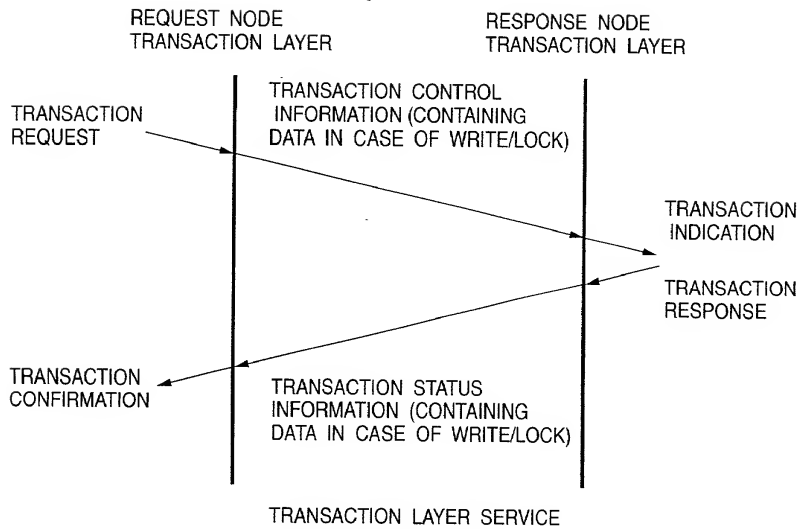


FIG. 6

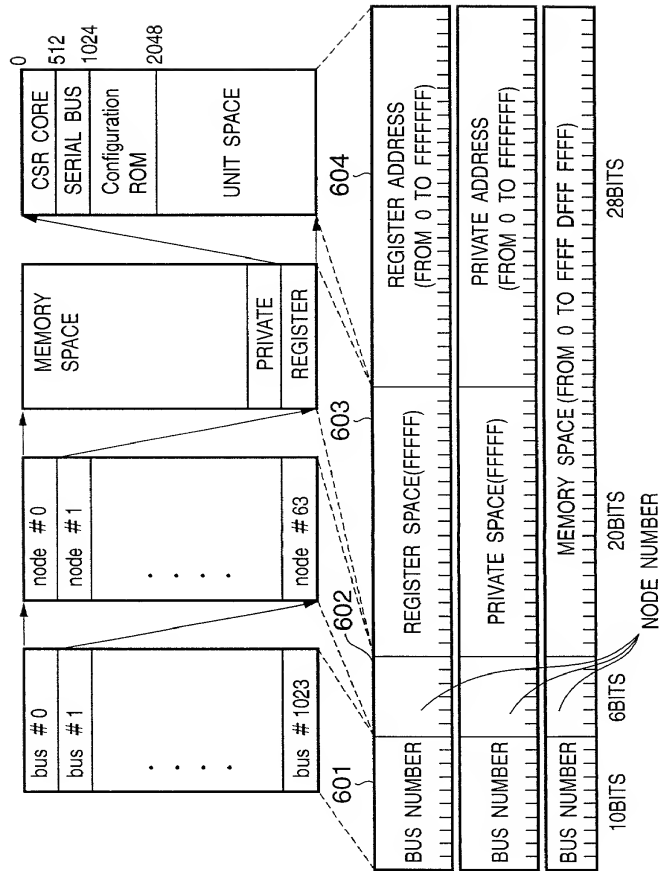


FIG. 7

CSR CORE REGISTER

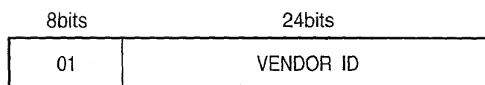
OFFSET (HEXADECIMAL)	REGISTER NAME	FUNCTION
000	STATE_CLEAR	INFORMATION OF STATUS AND CONTROL
004	STATE_SET	INFORMATION INDICATING WRITE ENABLE/DISABLE OF STATE_CLEAR
008	NODE_IDS	BUS ID + NODE ID
00C	RESET_START	RESET BUS BY WRITE IN THIS AREA
010~014	INDIRECT_ADDRESS, INDIRECT_DATA	REGISTER FOR ACCESSING ROM LARGER THAN 1K
018~01C	SPLIT_TIMEOUT	VALUE OF TIMER FOR DETECTING TIME-OUT OF SPLIT TRANSACTION
020~02C	ARGUMENT,TEST_START, TEST_STATUS	DIAGNOSIS REGISTER
030~04C	UNITS_BASE,UNITS_BOUND, MEMORY_BASE, MEMORY_BOUND	NOT USED IN IEEE1394
050~054	INTERRUPT_TARGET, INTERRUPT_MASK	INTERRUPT INDICATION REGISTER
058~07C	CLOCK_VALUE, CLOCK_TICK_PERIOD, CLOCK_STOROB_E_ARRIVED, CLOCK_INFO	NOT USED IN IEEE1394
080~0FC	MESSAGE_REQUEST, MESSAGE_RESPONSE	MESSAGE INDICATION REGISTER
100~17C		RESERVED
180~1FC	ERROR_LOG_BUFFER	RESERVED FOR IEEE1394

FIG. 8

SERIAL BUS REGISTER

OFFSET (HEXADECIMAL)	REGISTER NAME	FUNCTION
200	CYCLE_TIME	COUNTER FOR ISOCRONOUS TRANSFER
204	BUS_TIME	REGISTER FOR SYNCHRONIZING TIME
208	POWER_FAIL_IMMINENT	REGISTER ASSOCIATED WITH POWER SUPPLY
20C	POWER_SOURCE	
210	BUSY_TIMEOUT	CONTROL RETRY OF TRANSACTION LAYER
214~218		RESERVED
21C	BUS_MANAGER_ID	NODE ID OF BUS MANAGER
220	BANDWIDTH_AVAILABLE	MANAGE BANDWIDTH OF ISOCRONOUS TRANSFER
224~228	CHANNELS_AVAILABLE	MANAGE CHANNEL NUMBER OF ISOCRONOUS TRANSFER
22C	MAINT_CONTROL	DIAGNOSIS REGISTER
230	MAINT_UTILITY	
234~3FC		RESERVED

FIG. 8 SERIAL BUS REGISTER

FIG. 9

CONFIGURATION ROM OF MINIMAL FORMAT

FIG. 10

Bus Info Block Length	ROM Length	CRC	
Bus Info Block			1001
Root Directory			1002
Node dependent info directory			1003
Unit directories			1004
Root & unit leaves			1005
Vendor dependent information			1006

FIG. 11

SERIAL BUS DEVICE REGISTER

OFFSET (HEXADECIMAL)	REGISTER NAME	FUNCTION
800~FFC		RESERVED
1000~13FC	TOPOLOGY_MAP	CONFIGURATION INFORMATION OF SERIAL BUS
1400~1FFC		RESERVED
2000~2FFC	SPEED_MAP	INFORMATION OF TRANSFER RATE OF SERIAL BUS
3000~FFFC		RESERVED

FIG. 12

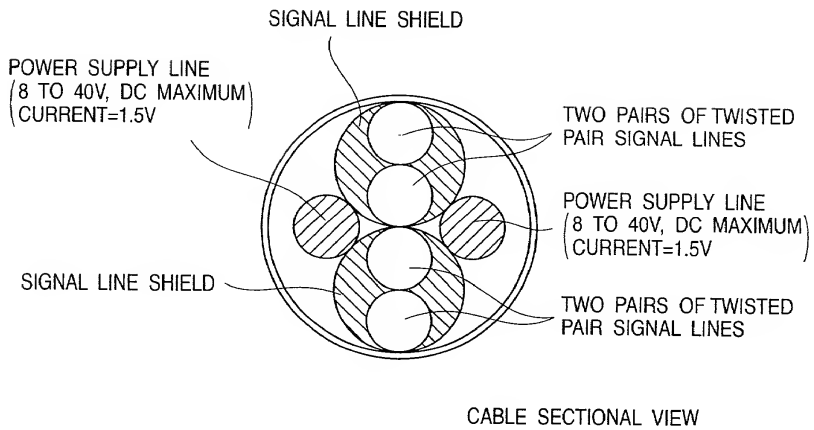


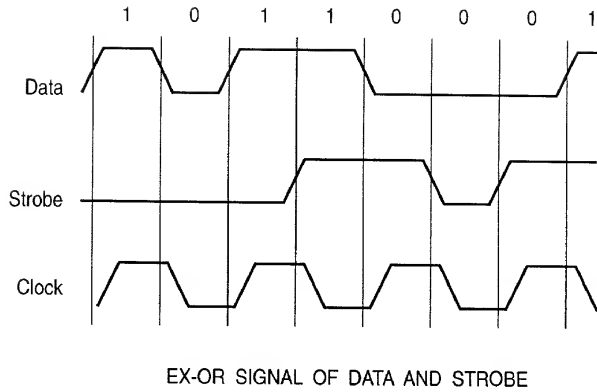
FIG. 13

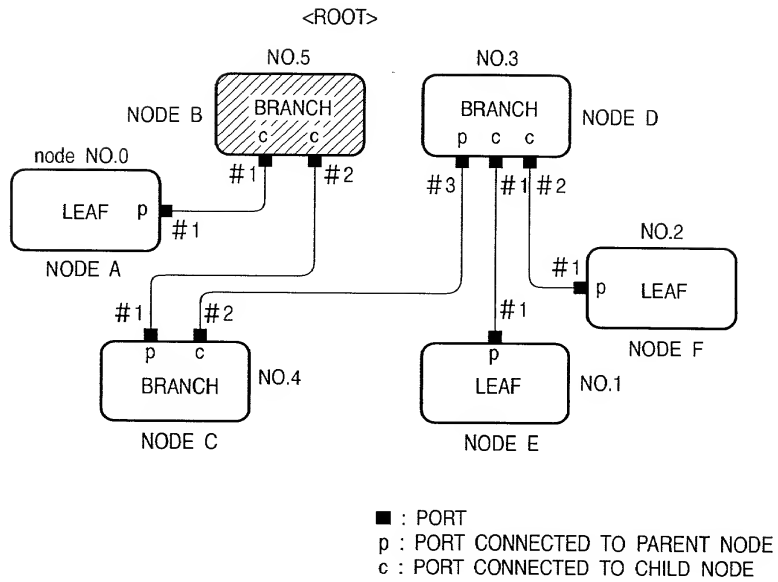
FIG. 14

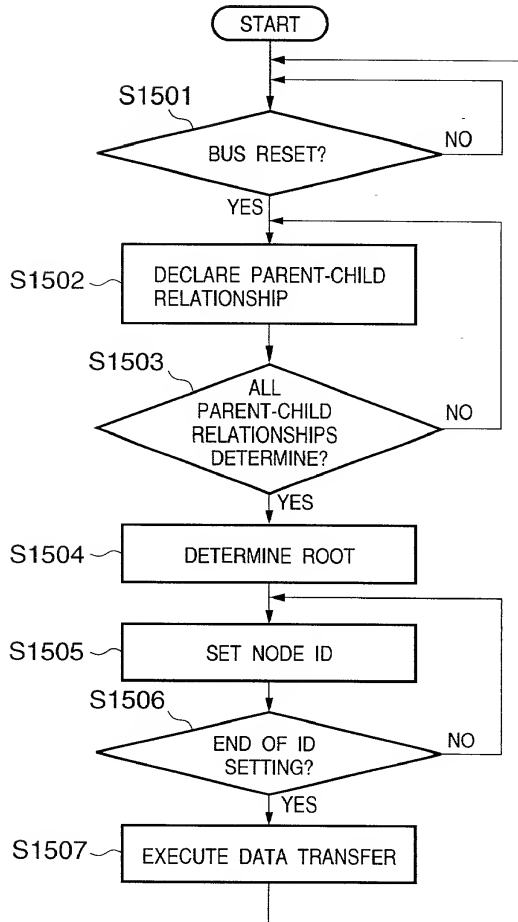
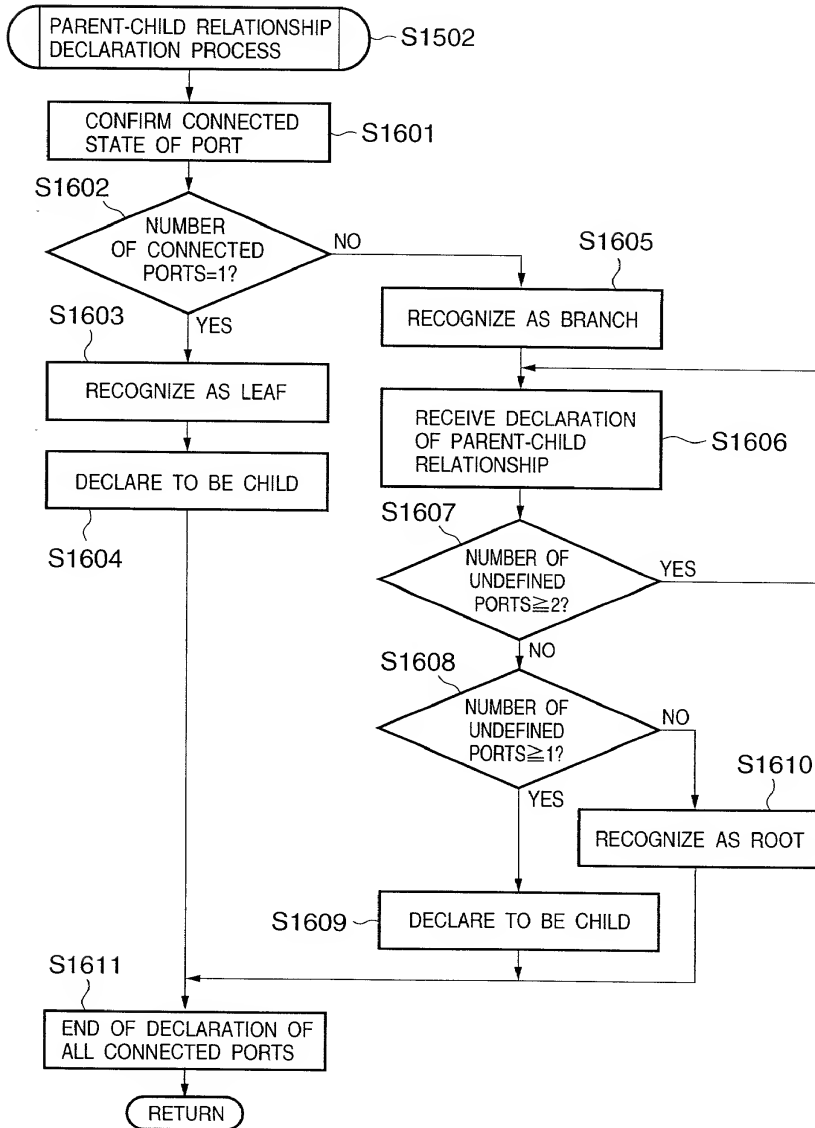
FIG. 15

FIG. 16



S1505

NODE ID SETTING PROCESS

FIG. 17

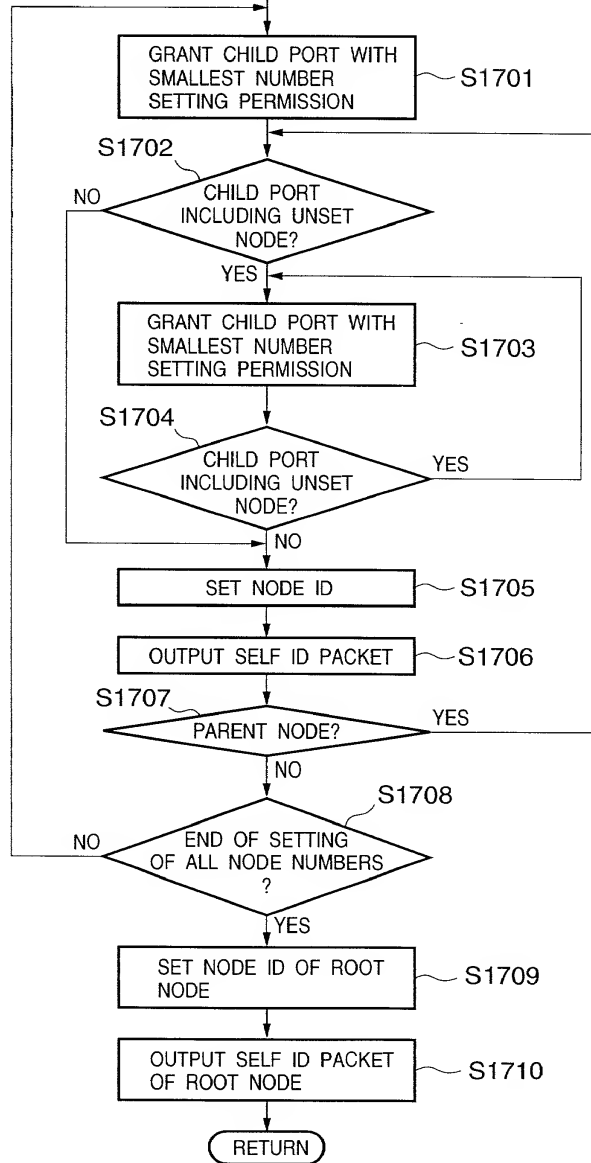


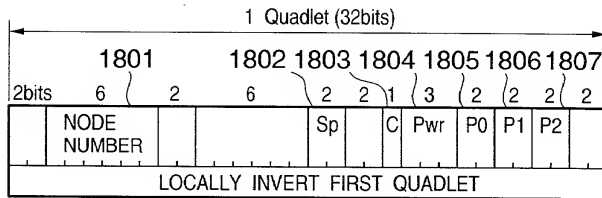
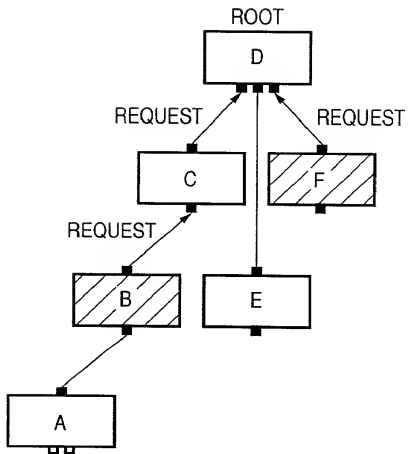
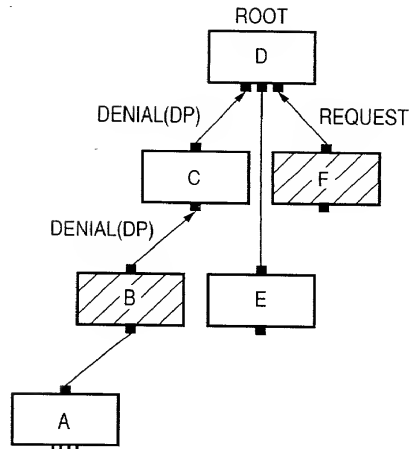
FIG. 18

FIG. 19A



REQUEST RIGHT TO USE BUS

FIG. 19B



PERMIT RIGHT TO USE BUS

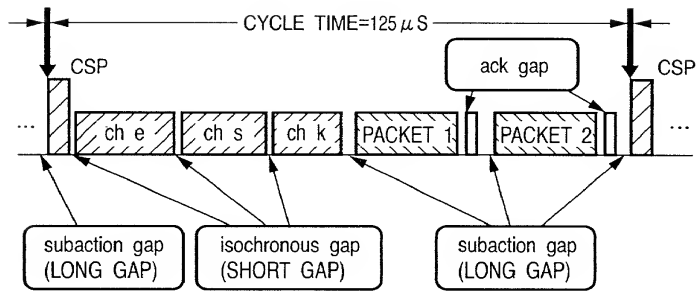
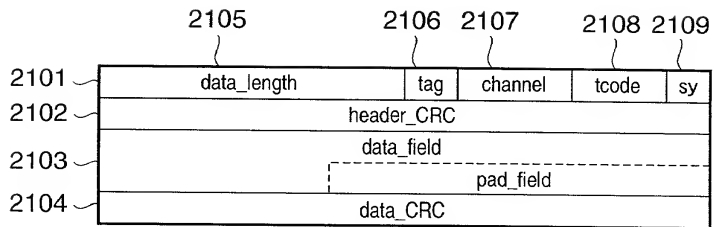
FIG. 20

FIG. 21

PACKET OF ISOCRONOUS DATA

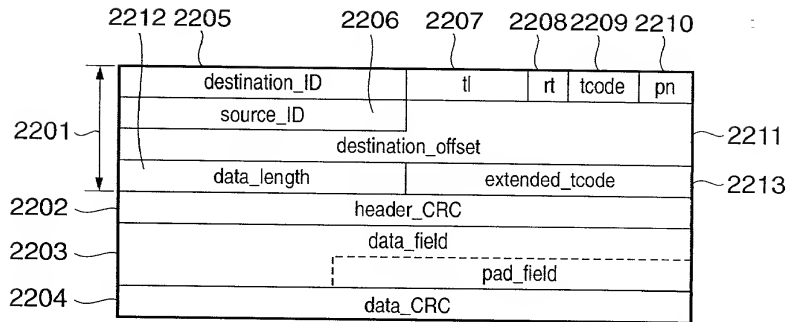
FIG. 22

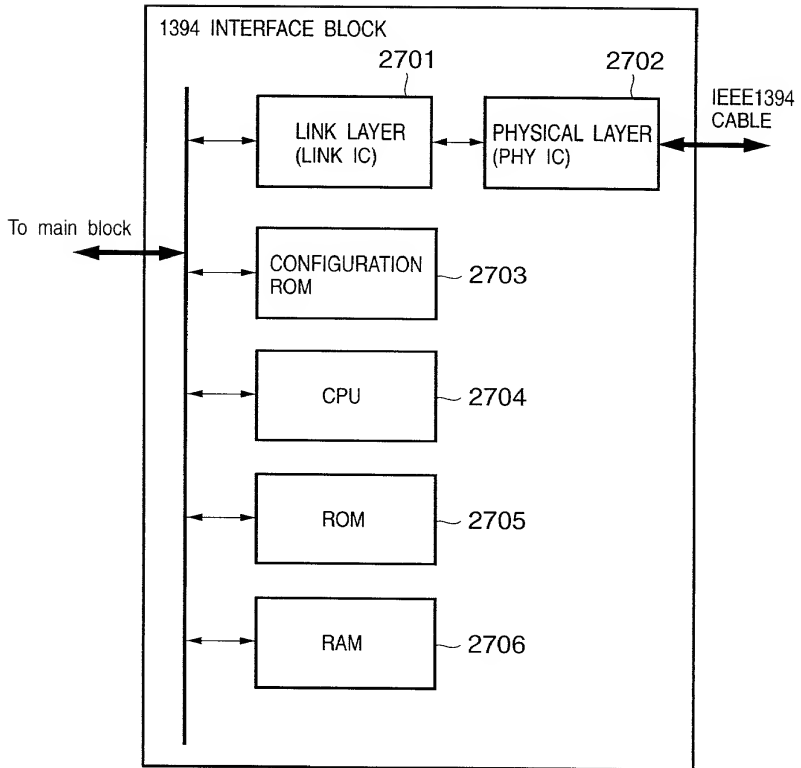
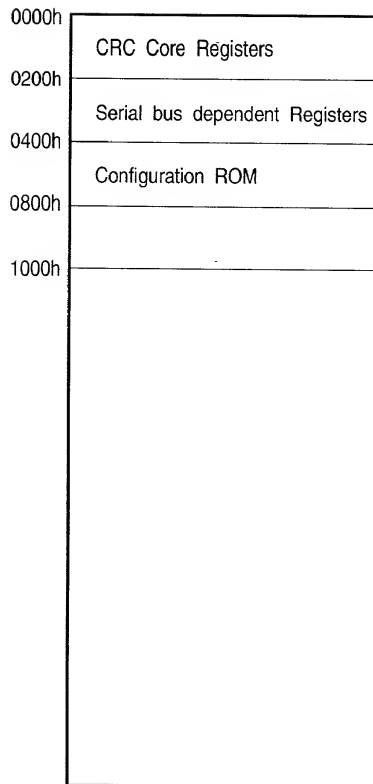
FIG. 23

FIG. 24

	Bus Info Block Length	ROM Length	CRC
	Bus Info Block		
	Root Directory		
	Node dependent info directory		
	Unit directories		
INSTANCE DIRECTORY	Instance directories Length	CRC_16	
	Key	Keyword leaf offset entry	
	Key	Unit Directory offset	
	Key	Feature Directory offset	
KEYWORD LEAF	Keywordleaf Length	CRC_16	
	Keywords		
FEATURE DIRECTORY	Feature directory Length	CRC_16	
	Vendor dependent information		

FIG. 25



0000h 0200h 0400h 0800h 1000h

FIG. 26

SERIAL BUS REGISTER

OFFSET (HEXADECIMAL)	REGISTER NAME	FUNCTION
200	CYCLE_TIME	COUNTER FOR ISOCHRONOUS TRANSFER
204	BUS_TIME	REGISTER FOR SYNCHRONIZING TIME
208	POWER_FAIL_IMMINENT	REGISTER ASSOCIATED WITH POWER SUPPLY
20C	POWER_SOURCE	
210	BUSY_TIMEOUT	CONTROL RETRY OF TRANSACTION LAYER
214~218		RESERVED
21C	BUS_MANAGER_ID	NODE TRANSFER OF BUS MANAGER
220	BANDWIDTH_AVAILABLE	MANAGE BANDWIDTH OF ISOCHRONOUS TRANSFER
224~228	CHANNELS_AVAILABLE	MANAGE CHANNEL NUMBER OF ISOCHRONOUS TRANSFER
22C	MAIN_CONTROL	DIAGNOSIS REGISTER
230	MAIN_UTILITY	
234~23C		RESERVED
240	REMOTE_BUS_RESET	INDICATE BUS RESET IN REMOTE BUS
244	EVENT_CONTROL	MANAGE EVENTS

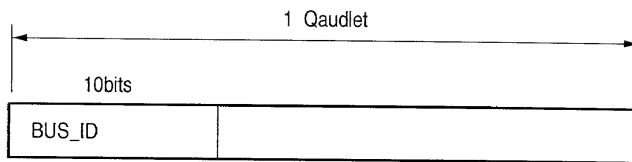
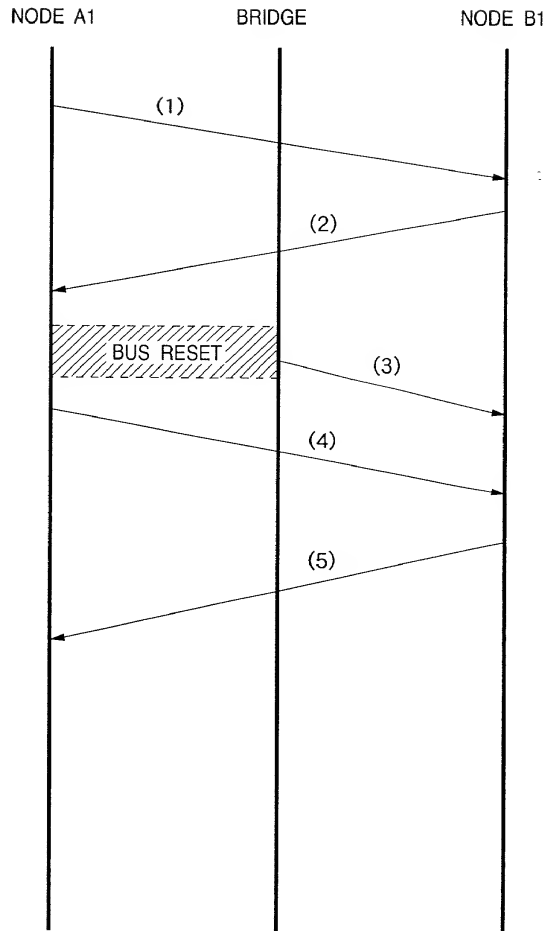
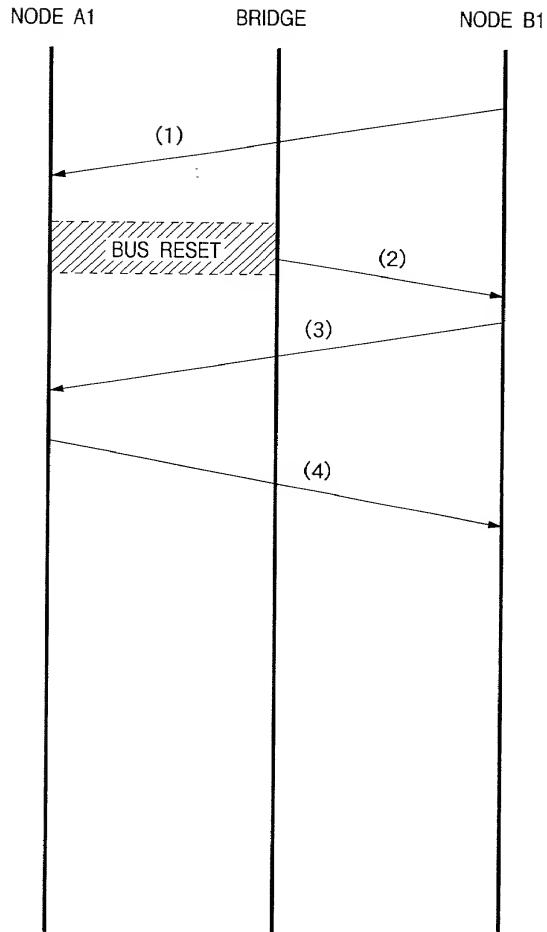
FIG. 27

FIG. 28



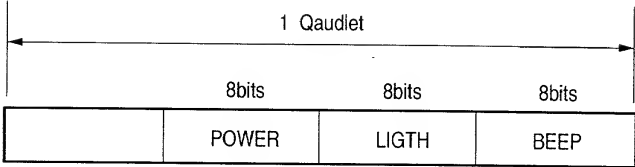
20250509 09:09:09

FIG. 29



00016150 02350
109220 051931060

FIG. 30



BEEP = 0 NOT BEEP
1 CONTINUOUSLY BEEP
2 INTERMITTENTLY BEEP

LIGHT = 0 NOT EMIT LIGHT
1 EMIT LIGHT
2 FLICKER

POWER = 0 NOT CONTROL
1 TURN ON POWER SUPPLY
2 TURN OFF POWER SUPPLY

FIG. 31